

## The Bradbury Science Museum - Scavenger Hunt    **KEY**

Group Names- \_\_\_\_\_



Try to find all of these things somewhere in the museum.

- ☐ **a satellite:** What does a satellite do?  
**RESEARCH:** We display three different satellite models, each of them used to verify compliance with nuclear weapons treaties.
- ☐ **Soma Cube:** How many small cubes make up a Soma Cube?  
**PUZZLE TABLES:** A 3 X 3 X 3 cube has  $3^3$  or 27 cubes.
- ☐ **parachute:** What did it carry?  
**DEFENSE:** This parachute was intended for use lowering the blast gauge canisters at Hiroshima. Another parachute is packed by the B-61 bomb.
- ☐ **Nanotechnology:** How many nanometers long is your hand?  
**RESEARCH:** Look on the nanotechnology display counter top.
- ☐ **Identification Photos:** These are a few of the badge photos from the time of the Manhattan Project. Does anyone share your last name?  
**HISTORY:** There is a looseleaf type ring binder on the counter.
- ☐ **algae:** What are they doing with algae at the Laboratory?  
**RESEARCH:** We are developing algae as a potential transportation biofuel.
- ☐ **a slide rule:** Why is it beside the computer?  
**RESEARCH:** A slide rule is an analog pocket calculator commonly used before computers were developed. They are still used by enthusiasts.
- ☐ **Trinitite:** What is Trinitite?  
**HISTORY:** Trinitite is a mineral formed at the Trinity Site by the heat from the first atomic bomb test.
- ☐ **bomb suit:** How much does the suit weigh?  
**DEFENSE:** Our bomb suit weighs a total of 70 pounds.
- ☐ **The Gadget:** Why did they build the Gadget?  
**HISTORY:** The Gadget was the code name for the atomic device tested at Trinity Site to confirm the design of the implosion type weapon.
- ☐ **Fat Man** (This is NOT a person!)  
**DEFENSE:** This is a replica of the atomic weapon dropped on Nagasaki.
- ☐ **a Geiger counter:** What does it measure?  
**RESEARCH:** Geiger counters measure radiation.

- ☐ **landform map:** What landform is located just west of Los Alamos?  
LOBBY: The Valles Caldera (collapse crater) is surrounded by the remains of a super volcano that was highly active from 1.25 million until about 40 thousand years ago.
- ☐ **Norris Bradbury:** Who was he?  
LOBBY and HISTORY: Bradbury was the second director, after J.Robert Oppenheimer, of Los Alamos Scientific Laboratory. (That's him standing by the Gadget in the large photo in the History Gallery.)
- ☐ **human battery:** Who in your group is the best conductor?  
RESEARCH: at DemoStage, notice it measures in microamperes, these are *millionths* of an amp.
- ☐ **ChemCam:** Where is ChemCam actually located?  
TECHLAB: ChemCam sits on top of the mast on Curiosity, the Mars Science Laboratory, as it drives around Gale Crater on Mars.
- ☐ **What did you find interesting?** \_\_\_\_\_